We claim

1. A molding encompassing a composite layered sheet or composite layered film and a backing layer made from plastic injection-molded, foamed, or cast onto the back of the material, where the composite layered sheet or composite layered film encompasses

(1) a substrate layer comprising, based on the total of the amounts of components A and B, and, where appropriate, C and/or D, which give 100% by weight in total,

a from 1 to 99% by weight of an elastomeric graft copolymer as component A,

b from 1 to 99% by weight of one or more hard copolymers containing units which derive from vinylaromatic monomers, as component B,

c from 0 to 80% by weight of polycarbonates, as component C, and

d from 0 to 50% by weight of fibrous or particulate fillers, or a mixture of these, as component D,

wherein component B contains, based on the total weight of units deriving from vinylaromatic monomers, from 40 to 100% by weight of units deriving from α-methylstyrene and from 0 to 60% by weight of units deriving from styrene,

(2) if appropriate, an intermediate layer, and

(3) an outer layer comprising one or more hard copolymers, obtainable via polymerization of vinylaromatic monomers and acrylonitrile, where the vinylaromatic monomers used comprise from 80 to 100% by weight of α-methylstyrene and from 0 to 20% by weight of styrene.

2. A molding as claimed in claim 1, wherein component A encompasses

a1 from 1 to 99% by weight of a particulate graft base as component A1, obtainable by polymerizing, based on A1,

a11 from 80 to 99.99% by weight of at least one C_1-C_8-alkyl acrylate, as component A11,

a12 from 0.01 to 20% by weight of at least one polyfunctional crosslinking monomer, as component A12,

a2 from 1 to 99% by weight of a graft A2 obtainable by polymerizing, based on A2,

a21 from 40 to 100% by weight of styrene, of a substituted styrene, or of a (meth)acrylate, or of a mixture of these, as component A21, and

a22 up to 60% by weight of acrylonitrile or methacrylonitrile, as component A22,

where the graft A2 is composed of at least one graft shell, and the graft copolymer has a median particle size of from 50 to 1000 nm,

and component B encompasses copolymers of

b1 from 40 to 100% by weight of vinylaromatic monomers, as component B1,

b2 up to 60% by weight of acrylonitrile or methacrylonitrile, as component B2.

3. A molding as claimed in claim 1, wherein component A encompasses

a1' from 10 to 90% by weight of at least one elastomeric graft base with a glass transition temperature below 0°C, as component A1', obtainable by polymerizing, based on A1',

a11' from 60 to 100% by weight of at least one conjugated diene, as component A11',

a12' from 0 to 30% by weight of at least one monoethylenically unsaturated monomer, as component A12', and

a13' from 0 to 10% by weight of at least one crosslinking monomer having unconjugated double bonds, as component A13',

a2' from 10 to 60% by weight of a graft, as component A2', made from, based on A2',

a21' from 50 to 100% by weight of at least one vinylaromatic monomer, as component A21'

a22' from 5 to 35% by weight of acrylonitrile and/or methacrylonitrile, as component A22',

a23' from 0 to 50% by weight of at least one other monoethylenically unsaturated monomer, as component A23',

and component B encompasses copolymers of

b1' from 50 to 100% by weight of vinylaromatic monomers, as component B1',

b2' from 0 to 50% by weight of acrylonitrile or methacrylonitrile or a mixture of these, as component B2',

b3' from 0 to 50% by weight of at least one other monoethylenically unsaturated monomer, as component B3'.

4. A molding as claimed in claims 1 to 3, wherein the composite layered sheet or composite layered film encompasses

(1) a substrate layer,
(3) an outer layer, and
(2) an intermediate layer located between substrate layer and outer layer and differing from these, comprising impact-modified polymethyl methacrylate, polycarbonate, or styrene (co)polymers.

5. A molding as claimed in any of claims 1 to 4, wherein the composite layered sheet or composite layered film has a thickness of from 100 μm to 10 mm.

6. A molding as claimed in any of claims 1 to 5, wherein the material forming the substrate layer (1) of the composite layered sheet or of the composite layered film has a Vicat softening point (Vicat B measured to DIN 53 460 with a temperature rise of 50 K/h) of at least 105°C, and the composite layered sheet or composite layered film has a modulus of elasticity E_t (measured to ISO 527-2/1B at 5 mm/min and 90°C) of at least 1300 MPa, a modulus of elasticity E_t (measured to ISO 527-2/1B at 5 mm/min and 100°C) of at least 900 MPa, a Shore C hardness (measured to DIN 53505 at 90°C) of at least 70, and a Shore C hardness (measured to DIN 53505 at 100°C) of at least 60.

7. A process for producing moldings as claimed in any of claims 1 to 6, which comprises producing the composite layered sheets or composite layered films by adapter extrusion or coextrusion, or mutually superposed lamination of the layers (1) and, where appropriate, (2) and/or (3), and, where appropriate, then thermoforming and finally injection-molding, foaming or casting plastic onto the back of the sheets or films.

8. The use of moldings as claimed in any of claims 1 to 6 as bodywork components for motor vehicles.

9. A roof, a door, an engine cover, a trunk lid, a spoiler, a wind deflector, a lateral airfoil, or a bumper for motor vehicles, comprising a molding as claimed in any of claims 1 to 6.